

# Aleric Stell, Junior Software Engineer

Columbia SC, United States, 8545004460, alericstell12@gmail.com

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## PROFILE

Committed to working as a collaborative and positive team member, striving to utilize my knowledge and expertise for optimal engineering results. Adept in carefully diagnosing and assessing issues, and offering real viable solutions. Experienced Software Developer adept in bringing forth expertise in design, installation, testing and maintenance of software systems. Proficient in various platforms, languages, and embedded systems. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team.

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## EDUCATION

Aug 2019 — May 2024

Bachelor of Computer Science, Clemson University

Clemson, SC

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## EMPLOYMENT HISTORY

May 2024 — Aug 2024

IT Support Analyst, Lexington Medical Center

Columbia, SC

Hours Worked: 40 Hours Weekly

- **Attention to Detail:** Meticulously served as the primary support for end users on all IT issues, ensuring accurate and thorough resolutions.
- **Oral Communication:** Effectively communicated with users, typically resolving issues via telephone and remote control software, ensuring clear understanding and user satisfaction.
- **Problem Solving:** Demonstrated strong problem-solving skills by building new PCs, installing hardware, and troubleshooting software issues, both on-site and remotely.
- Participated in the installation of end-user hardware, consistently delivering high-quality results.
- Installed new hardware and software on PCs, following precise protocols and guidelines.
- Provided timely and complete documentation of all support requests in the IS call logging application, showcasing a strong attention to detail.
- Escalated tickets as appropriate to other IS support teams, ensuring that all issues were handled efficiently and effectively.
- Supported all remote users with the same dedication and thoroughness as hospital users, ensuring seamless IT operations and excellent customer service.

Jan 2022 — May 2023

Student Support Center Consultant, Clemson University IT

Clemson, SC

Hours Worked: 25 Hours Weekly

- **Attention to detail:** Troubleshoot technical issues for walk-in customers with precision, ensuring no steps are overlooked.
- **Customer Service:** Provide exceptional support to customers over the phone or chat across a wide range of technical issues, prioritizing customer satisfaction.
- **Problem Solving:** Make quick decisions on the best course of action regarding each issue, leveraging critical thinking to resolve problems effectively.
- **Oral Communication:** Clearly and effectively communicate technical solutions to customers, ensuring they understand the steps taken and the resolution process.
- Follow procedures to maximize efficiency between the Help Desk and other areas of IT.
- Managed Computer Inventory database as needed, ensuring accurate and up-to-date records.

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## SKILLS

Effective Time Management

Ability to Work in a Team

Problem Solving

Customer Service

Communication

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## TECHNICAL SKILLS

- **Object-Oriented Programming:** Defined classes and methods, handled events and messages, and programmed to interfaces/APIs.
- **Software Development & Testing:** Followed coding standards, wrote and executed unit tests, participated in code reviews, and conducted various testing phases (integration, acceptance, capacity).
- **Multi-Tier Applications:** Developed Model/Domain (e.g., JDBC, Hibernate), Service/Application (e.g., servlets), and View/Presentation layers (e.g., JSP).

- **Java Development:** Configured IDEs, JDK, and application servers; performed development tasks including coding, unit testing, and quality assurance.
- **Software Development Tools:** Experienced with IDEs (e.g., Eclipse), source control (e.g., Subversion), defect tracking, and database tools (e.g., SQL Developer).
- **Development Methodologies:** Worked with Agile methodologies (e.g., Scrum) and Waterfall.

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## PROJECTS

### Nursing App - Clemson University

- **API Integration:** Integrated RESTful APIs for real-time data exchange and service integration.
- **App Development:** Developed a Python-based application with a focus on modular design and scalability.
- **Back-End Development:** Implemented server-side logic using Python frameworks (e.g., Flask, Django) and managed data persistence.
- **Networking:** Configured network protocols and ensured secure data transmission between client and server.

### Truck Driver Incentive Application - Clemson University

- **AWS/Cloud Computing:** Leveraged AWS services (e.g., EC2, S3, RDS) for scalable infrastructure, deployment, and data storage.
- **Full Stack Development:** Designed and developed both client-side (HTML, CSS, JavaScript) and server-side components (Node.js, Python).
- **Web Application:** Built a responsive web application using front-end technologies (e.g., React, Angular) and back-end technologies (e.g., Express, Django).
- **Database Management:** Administered relational databases (e.g., MySQL, PostgreSQL) and optimized queries for performance and reliability.

### Pong Game - Personal Project

- **Programming Language:** Developed using C++.
- **Game Development:** Implemented core game mechanics including paddle movement, ball physics, and collision detection.
- **Graphics & UI:** Utilized basic graphics libraries (e.g., SFML, SDL) for rendering game elements and handling user input.
- **Algorithm Design:** Applied algorithms for game logic, score tracking, and game state management.

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## INTERNSHIPS

May 2020 — Aug 2020

### Computer Engineering Intern, Naval Information Warfare Center

Charleston, SC

Hours Worked: 40 Hours Weekly (ND 01 00 – Series 0899)

- Developed detailed engineering plans and designs for various infrastructure projects, resulting in improved safety and efficiency
- Developed and maintained a secure network and computer systems, ensuring data protection and security

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## EXTRA-CURRICULAR ACTIVITIES

Jan 2021 — May 2024

### Alphi Phi Omega, Clemson University

Service Fraternity

Positions held

- Pledge Class Fellowship Chair - Spring 2021
- At-Large Bylawys Representative - Fall 2021
- Earle M. Herbert Fellowship Award - Fall 2023

Alpha Phi Omega is the single most represented co-educational intercollegiate service organization in the United States. Since 1925, more than 525,000 members on over 375 campuses, continue to provide more service on more campuses than any other collegiate service organization.

It is the vision of Alpha Phi Omega to create inclusive communities for a more peaceful world in which to make a life, by developing leaders, uniting members through friendship and rendering service to all.